

**In the claims:**

1. (Previously presented) A method for securing packet-based communications comprising:

receiving at a first translation module a stream comprising a plurality of packets regarding a communication from a first user interface device intended for a second user interface device, each packet having an original destination address and an original source address; and

for each of the packets, performing an address modification process including changing the original destination address to a selected one of a plurality of modified destination addresses assigned to a second translation module remote from the first translation module, wherein each of the selected modified destination addresses is resolvable by the second translation module to the original destination address for forwarding the packet to the second user interface device;

wherein the address modification process is performed independently from both the first user interface device and the second user interface device.

2. (Original) The method of Claim 1, wherein, except for a first one of the packets, each of the packets is changed to a different one of the modified destination addresses than a preceding one of the packets.

3. (Original) The method of Claim 1, wherein no more than ten consecutive packets in the stream are changed to an identical one of the modified destination addresses.

4. (Previously presented) The method of Claim 1, further comprising, for each of the packets, changing the original source address to a selected one of a plurality of modified source addresses, wherein each of the selected modified source addresses is resolvable by the second translation module to the original source address.

5. (Previously presented) The method of Claim 1, further comprising randomly selecting the modified destination address for the packet from a range of available destination addresses for the second translation module.

6. (Previously presented) The method of Claim 1, further comprising selecting the modified destination address for the packet from a range of available destination addresses for the second translation module based on a hopping pattern.

7. (Original) The method of Claim 1, wherein the original destination address comprises an internet protocol address and a port, and the modified destination address for the packet comprises a modified internet protocol address and a modified port.

8. (Original) The method of Claim 1, wherein the stream comprises an internet protocol based voice communication session.

9. (Previously presented) The method of Claim 1, further comprising:  
detecting initiation of the stream;  
identifying the second translation module based upon the original destination address;  
and  
negotiating translation parameters for the stream with the second translation module, the translation parameters comprising an algorithm dictating how to select from among the modified destination addresses.

10. (Previously presented) A method for securing packet-based communications comprising:

negotiating translation parameters with a remote device for a communication stream between a first user interface device and a second user interface device, the translation parameters comprising an original destination address, a plurality of available destination addresses, and an algorithm;

determining a modified destination address from among the available destination addresses according to the algorithm;

receiving a packet of the communication stream having the modified destination address; and

changing the packet to have the original destination address, wherein the address change is performed independently from both the first user interface device and the second user interface device.

11. (Original) The method of Claim 10, wherein:

the translation parameters further comprise an original source address and a plurality of available source addresses; and further comprising:

determining a modified source address from among the available source addresses according to the algorithm.

12. (Original) The method of Claim 11, the packet further having the modified source address, the method further comprising changing the packet to have the original source address.

13. (Original) The method of Claim 10, wherein the algorithm comprises a hopping pattern that dictates how to select from among the available destination addresses.

14. (Previously presented) A first translation module comprising:  
a first interface of the first translation module operable to receive a stream comprising a plurality of packets regarding a communication from a first user interface device intended for a second user interface device, each packet having an original destination address and an original source address;  
a controller of the first translation module operable, for each of the packets, to perform an address modification process including changing the original destination address to a selected one of a plurality of modified destination addresses assigned to a second translation module remote from the first translation module, wherein each of the selected modified destination addresses is resolvable by the second translation module to the original destination address, wherein the address modification process is performed independently from both the first user interface device and the second user interface device; and  
a second interface operable to transmit the changed packets for receipt by the remote device.

15. (Original) The translation module Claim 14, wherein, except for a first one of the packets, each of the packets is changed to a different one of the modified destination addresses than a preceding one of the packets.

16. (Previously presented) The translation module Claim 14, wherein the controller is further operable, for each of the packets, to change the original source address to a selected one of a plurality of modified source addresses, wherein each of the selected modified source addresses is resolvable by the second translation module to the original source address.

17. (Previously presented) The translation module Claim 14, wherein the controller is further operable to select the modified destination address for the packet from a range of available destination addresses for the second translation module based on a hopping pattern.

18. (Original) The translation module Claim 14, wherein the original destination address comprises an internet protocol address and a port, and the modified destination address for the packet comprises a modified internet protocol address and a modified port.

19. (Previously presented) The translation module Claim 14, wherein the controller is further operable to:

detect initiation of the stream;

identify the second translation module based upon the original destination address;

and

negotiate translation parameters for the stream with the second translation module, the translation parameters comprising an algorithm dictating how to select from among the modified destination addresses.

20. (Previously presented) Logic for securing packet-based communications, the logic encoded in a medium and operable when executed to:

receive at a first translation module a stream comprising a plurality of packets regarding a communication from a first user interface device intended for a second user interface device, each packet having an original destination address and an original source address; and

for each of the packets, perform an address modification process including changing the original destination address to a selected one of a plurality of modified destination addresses assigned to a second translation module remote from the first translation module, wherein each of the selected modified destination addresses is resolvable by the second translation module to the original destination address, wherein the address modification process is performed independently from both the first user interface device and the second user interface device.

21. (Original) The logic of Claim 20, wherein, except for a first one of the packets, each of the packets is changed to a different one of the modified destination addresses than a preceding one of the packets.

22. (Previously presented) The logic of Claim 20, further operable, for each of the packets, to change the original source address to a selected one of a plurality of modified source addresses, wherein each of the selected modified source addresses is resolvable by the second translation module to the original source address.

23. (Previously presented) The logic of Claim 20, further operable to select the modified destination address for the packet from a range of available destination addresses for the second translation module based on a hopping pattern.

24. (Original) The logic of Claim 20, wherein the original destination address comprises an internet protocol address and a port, and the modified destination address for the packet comprises a modified internet protocol address and a modified port.

25. (Previously presented) The logic of Claim 20, further operable to:  
detect initiation of the stream;  
identify the second translation module based upon the original destination address;  
and  
negotiate translation parameters for the stream with the second translation module, the translation parameters comprising an algorithm dictating how to select from among the modified destination addresses.

26. (Previously presented) A first translation module comprising:

means for receiving at the first translation module a stream comprising a plurality of packets regarding a communication from a first user interface device intended for a second user interface device, each packet having an original destination address and an original source address; and

means for performing at the first translation module an address modification process including, for each of the packets, changing the original destination address to a selected one of a plurality of modified destination addresses assigned to a second translation module remote from the first translation module, wherein each of the selected modified destination addresses is resolvable by the second translation module to the original destination address for forwarding the packet to the second user interface device;

wherein the address modification process is performed independently from both the first user interface device and the second user interface device.

27. (Previously presented) A method for securing packet-based communications comprising:

detecting initiation of a communication stream at a first translation module, the communication stream comprising a plurality of packets from a first user interface device intended for a second user interface device, each packet having an original destination address and an original source address;

identifying a second translation module remote from the first translation module based upon the original destination address;

negotiating translation parameters for the communication stream with the second translation module, the translation parameters comprising an algorithm dictating how to select from among a plurality of modified destination addresses;

receiving the packets; and

for each of the packets, performing an address modification process including selecting one of the modified destination addresses according to the algorithm and changing the original destination address to the selected modified destination address, wherein each of the selected modified destination addresses is resolvable by the second translation module to the original destination address, wherein, except for a first one of the packets, each of the packets is changed to a different one of the modified destination addresses than a preceding one of the packets, and wherein the address modification process is performed independently from both the first user interface device and the second user interface device.